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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/650,261	08/27/2003	Raymond Kim	20144-003100US	20144-003100US 6593	
20350	7590 10/17/2006	EXAMINER			
TOWNSEND AND TOWNSEND AND CREW, LLP TWO EMBARCADERO CENTER			HINES, JANA A		
EIGHTH FLO	- ·	ART UNIT	PAPER NUMBER		
SAN FRANC	ISCO, CA 94111-3834		1645		
			DATE MAILED: 10/17/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)
10/650,261	KIM, RAYMOND
Examiner	Art Unit
Ja-Na Hines	1645

_ coord and coming or any approximation	CXAIIIIIU	AILUIIL	
•	Ja-Na Hines	1645	
The MAILING DATE of this communication appe	ears on the cover sheet with the c	orrespondence add	ress
THE REPLY FILED 19 September 2006 FAILS TO PLACE THI	S APPLICATION IN CONDITION F	OR ALLOWANCE.	
1. The reply was filed after a final rejection, but prior to or on this application, applicant must timely file one of the follow places the application in condition for allowance; (2) a Not a Request for Continued Examination (RCE) in compliant time periods:	the same day as filing a Notice of wing replies: (1) an amendment, affortice of Appeal (with appeal fee) in the contract of th	Appeal. To avoid abaidavit, or other evider compliance with 37 C	nce, which FR 41.31; or (3)
a) \square The period for reply expires 4 months from the mailing date	e of the final rejection.		
b) The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire I		•	
Examiner Note: If box 1 is checked, check either box (a) or TWO MONTHS OF THE FINAL REJECTION. See MPEP 7	06.07(f).		
Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filed is the date for purposes of determining the period of exunder 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b) NOTICE OF APPEAL	tension and the corresponding amount shortened statutory period for reply origing that three months after the mailing dates	of the fee. The approprinally set in the final Offi	iate extension fee ce action; or (2) as
2. The Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any exte a Notice of Appeal has been filed, any reply must be filed AMENDMENTS	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of th	
3. The proposed amendment(s) filed after a final rejection,	but prior to the date of filing a brief	will not be entered b	ecause
(a) They raise new issues that would require further co	•		CCAUSC
(b) They raise the issue of new matter (see NOTE belo	•	,	
(c) They are not deemed to place the application in being appeal; and/or	•	ducing or simplifying	the issues for
(d) They present additional claims without canceling a	corresponding number of finally rej	ected claims.	
NOTE: (See 37 CFR 1.116 and 41.33(a)).			
4. The amendments are not in compliance with 37 CFR 1.1	See attached Notice of Non-Co	mpliant Amendment	(PTOL-324).
Applicant's reply has overcome the following rejection(s)	· ·		
 Newly proposed or amended claim(s) would be all non-allowable claim(s). 			-
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is protected. The status of the claim(s) is (or will be) as follows: Claim(s) allowed: None.	•	I be entered and an e	explanation of
Claim(s) objected to: <u>None</u> .	•		
Claim(s) rejected: <u>14-25</u> . Claim(s) withdrawn from consideration: <u>None</u> .			
AFFIDAVIT OR OTHER EVIDENCE			
8. The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good an was not earlier presented. See 37 CFR 1.116(e).			
9. The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to of showing a good and sufficient reasons why it is necessary	overcome <u>all</u> rejections under appear y and was not earlier presented. So	al and/or appellant fai ee 37 CFR 41.33(d)(ils to provide a 1).
10. The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER	n of the status of the claims after e	ntry is below or attach	ned.
11. 🔀 The request for reconsideration has been considered but	it does NOT place the application in	n condition for allowar	nce because:
12. Note the attached Information Disclosure Statement(s).	(PTO/SB/08) Paper No(s)		
		MARK NAVAR PRIMARY EXAM	

The request for reconsideration has been considered but does not place the application in condition for allowance for the reasons discussed below.

The rejection of claims 14-22 and 25 under 35 U.S.C. 102(b) as being anticipated by Greenquist (US Patent 4,806,312 published February 21,1989) is maintained for reasons already of record. The rejection was on the grounds that Greenquist teaches an apparatus comprising a molecular analyte layer and a film layer wherein the molecular analyte layer comprises a molecular analyte immobilized on a molecular analyte solid support, just as instantly claimed. Applicants argue that an analyte that is immobilized in one one layer and specifically binds a ligand to form a complex, which in turn generates a detectable signal is not taught. However, Greenquist teaches a labeled reagent that is incorporated within the device, by being retained in the reagent zone and is free to migrate into the detection zone and capable of being bound to the immobilized interactive detection reagent in the detection zone (col. 5, lines 31-40). The reagent layer is incorporated with a reagent zone, since the binding is reversible upon the addition of liquid test medium (col. 10, lines 12-20). The reagent layer is equivalent to the film layer since both the reagent layer and the film layer have an immobilized molecule, as required by the claims. The detection layer is incorporated with an immobilized form of an interactive detection reagent (col. 5, lines 62-65). The detection layer is equivalent to the molecular analyte layer of the instant claims. Both the detection layer and the molecular analyte layer have an immobilized analyte on a solid support.

Applicants argue that the terms, analyte and ligand are not equivalent. In response to applicant's argument that the terms have different functions, is not persuasive since there must be a structural difference in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use, then it meets the claim.

Applicants argue that and that despite the definition provided by the instant specification, the term molecular ligand should be construed with a narrower definition Where applicant acts as his or her own lexicographer to specifically define a term of a claim applicant cannot now assert that the term has a different meaning. The term molecular ligand in claim is used by the claim to have the broad definition recited in the specification, contrary to applicants interpretation. Therefore, contrary to applicants assertions, the limitation is taught and applicants arguments are not persaussive.

The rejection of claims 23-24 under 35 U.S.C. 103(a) as being unpatentable over Greenquist in view of Bergstrom et al., is maintained for reasons already of record. Applicants' assert that all of the elements of the claims have not been taught. Therefore, it is the examiner's position that Greenquist has been discussed above and only routine skill would have been required to incorporate hydrogel, since the art already teaches the advantages of hydrogel and matrix forming agarose materials. Thus applicants' arguments about the properties of the labeled reagent are misplaced, since the molecular ligand refers not to the label but to the binding partner. There is no limitation on the number of binding sites on the binding partner.

In response to applicant's argument that there is no suggestion to combine the references, no more that routine skill would have been required in using a well known alternative and functionally equivalent material hydrogel when other matrix forming materials are known in the art to be essential for obtaining a sensing surface and is desirable for aiding protein compatibility and minimizing nonspecific interactions. Therefore, contrary to applicants assertions, the claims are taught and applicants arguments are not persaussive.